

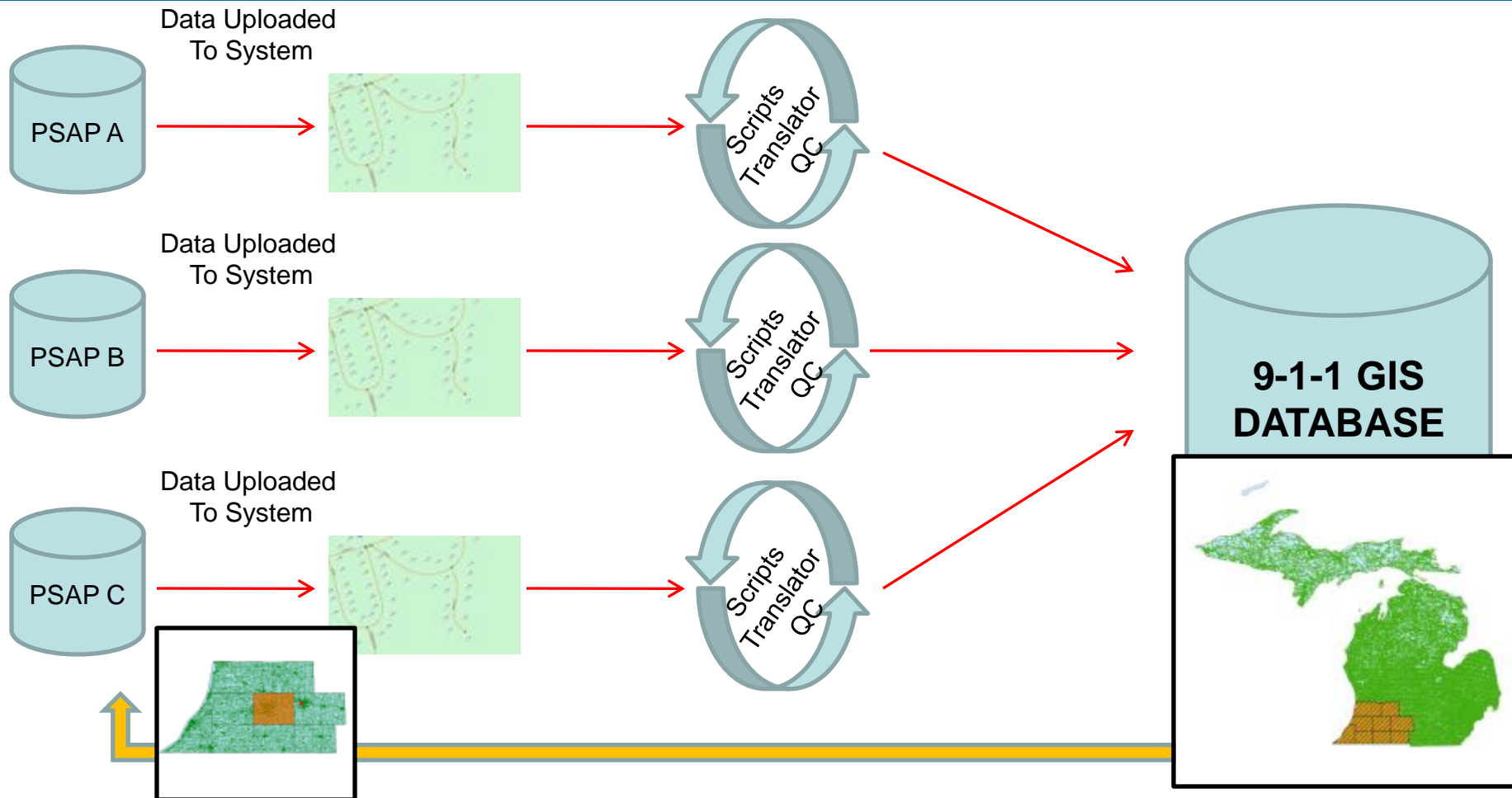
# Michigan GIS 911 Repository



# ENHANCE 911 Act Grant Project

- ◆ Created a central 9-1-1 GIS Repository
  - Enabling PSAPs to share GIS information
  - Establishing MOAs
  - Setting standards for GIS data entry
  - Future framework for NG9-1-1 database
- ◆ Statewide Public Safety Answering Point (PSAP) Boundary Layer
- ◆ Statewide Road Centerline Layer

# How does it work?



# 911 User Request

## STATE OF MICHIGAN GIS REPOSITORY USER REQUEST

To register application users, the PSAP Director must provide the information in this table and return it via e-mail to [armitagem@michigan.gov](mailto:armitagem@michigan.gov) or fax it to (517) 241-0387, Attn: Mr. Michael Armitage. A description of each role is provided below the table.

911 Repository Role	Name	Organization	Email and phone #
PSAP Administrator			
Alternate PSAP Administrator(s) (Optional)			
Data Importer(s)			
Data Exporter(s)			
Restricted Administrator			

Name:  Signature:

If you have any questions or concerns about this process, please contact:  
Mr. Michael Armitage, [armitagem@michigan.gov](mailto:armitagem@michigan.gov) at MSP at (517) 241-2809, fax (517) 241-0387 or  
Mr. Mark Holmes, [holmesm3@michigan.gov](mailto:holmesm3@michigan.gov) at CSS at (517) 373-7910, fax (517) 373-2939.

**PSAP Administrator** – This role is established for the person who will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 911 Director. This access is limited to PSAPs that are a branch of the entity that is party to the 'memorandum of understanding' for the 911 GIS Repository.

**Alternate PSAP Administrator(s) (optional)** – This role is established for a person to provide a backup role to the PSAP Administrator for assigning logins or accounts. This role will have the same permissions level in the system as the PSAP Administrator.

**Data Importer(s)** – This role is established for a person who will be providing GIS data updates to the repository system. This role can be assigned to a PSAP staff member, county GIS department staff member or a vendor. This role is typically assigned to the person who is maintaining the GIS data.

**Data Exporter(s)** – This role is established for a person who will be extracting GIS data from the repository for 911 purposes on a regular basis. For example, the data exporter might be the person who typically integrates GIS data with existing CAD systems.

**Restricted Administrator** – This role is established as a 'view only' for PSAPs that are not a branch of the government which is party to the 'memorandum of understanding' for the 911 GIS Repository.

This form is used to request access to the 911 GIS repository. It is located under "Current Issues" on the State 911 Committee website.

# 911 User Request

## michigan.gov/snc



MSP > STATE 911 COMMITTEE > **CURRENT ISSUES**

### Current Issues in 911

- **Smart 911**
  - Smart 911 Statewide Deployment FAQs
  - Smart 911 Status Map
- **Text to 911**
  - Map of Text to 911 Plans
  - Text to 911 Best Practices Guidelines Document
  - Template Text to 911 Request Letter
  - CMRS Points of Contact for Text to 911 Service
  - SNC-801 Text to 911 Status Form - Click here to request by e-mail (Subject line: SNC-801 request)
  - PSAP Text to 911 Readiness and Certification
- **PowerPoint Presentations**
  - Intrado Text to 911
  - TCS Text to 911
  - INdigital Text to 911
  - Texting Deployment Resources
  - AT&T Text to 911
  - Verizon SMS to 911
- **CMRS Text to 911 Questionnaires**
  - AT & T
  - Sprint
  - T-Mobile
  - Verizon
  - Generic
- **Office of Emergency Communications**
  - September 9, 2013, Presentation
- **Local Surcharge Information and SNC Forms**
  - SNC-500 Cover Letter and Letter Templates
  - SNC-500 Form
  - SNC-301 Form and Instructions
  - SNC-001 Form
- **GIS Grant Update**
  - **GIS Repository User Request**
  - 911 GIS Repository Training December 11, 2013
  - MI\_NENA\_GISProject\_May\_22\_2012
  - Enhance 9-1-1 Grant GIS Project

# PSAP Administration Tools

- ◆ Each PSAP (with MOU in place) will have primary designated PSAP Administrator
- ◆ Each PSAP (with MOU in place) can assign alternate PSAP Administrators
- ◆ Internal communication for approval processes needs to be determined locally
  - For example, approving PSAP boundary changes

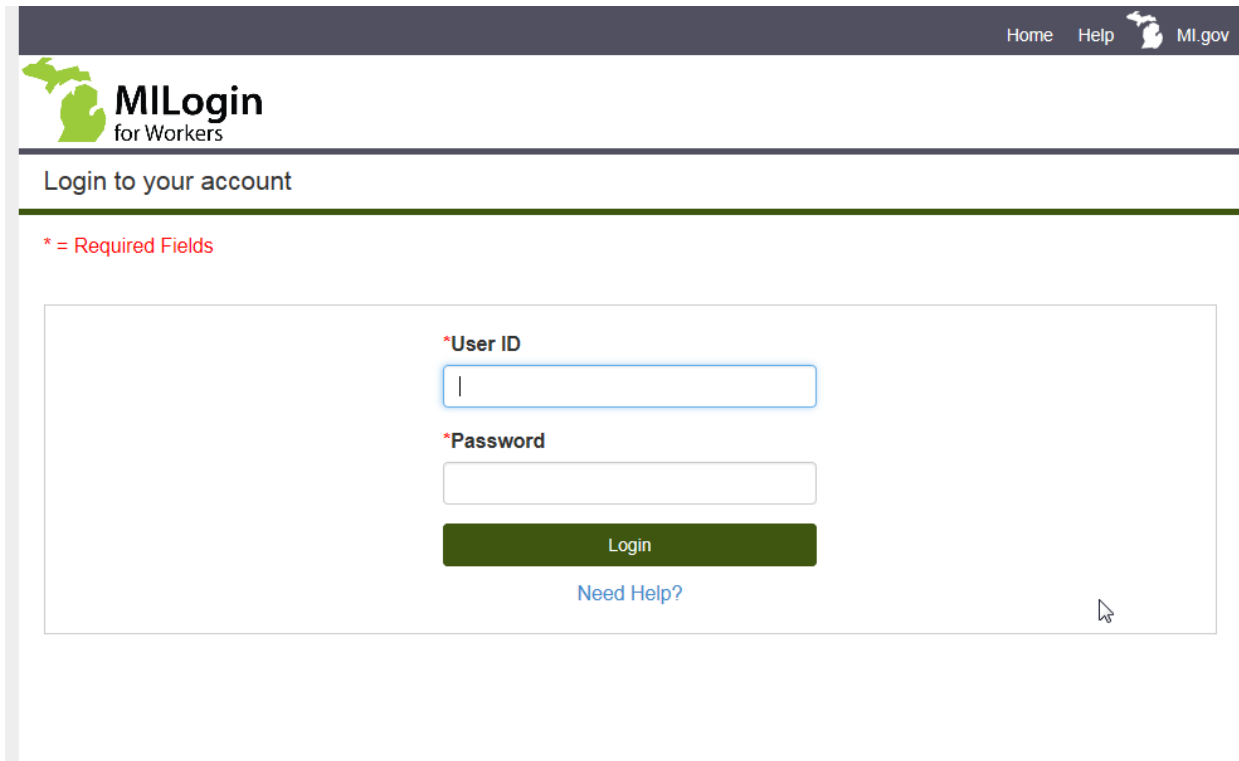


# Roles

<b>PSAP Administrator</b>	<b>This role is established for the person who will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 911 Director. This access is limited to PSAPs that are a branch of the entity that is party to the ‘memorandum of understanding’ for the 911 GIS Repository.</b>
<b>Alternate PSAP Administrator(s)</b>	<b>This role is established for a person to provide a backup role to the PSAP Administrator for assigning logins or accounts. This role will have the same permissions level in the system as the PSAP Administrator.</b>
<b>Data Importer(s)</b>	<b>This role is established for a person who will be providing GIS data updates to the repository system. This role can be assigned to a PSAP staff member, county GIS department staff member or a vendor. This role is typically assigned to the person who is maintaining the GIS data.</b>
<b>Data Exporter(s)</b>	<b>This role is established for a person who will be extracting GIS data from the repository for 911 purposes on a regular basis. For example, the data exporter might be the person who typically integrates GIS data with existing CAD systems.</b>
<b>Restricted Administrator</b>	<b>This role is established as a ‘view only’ for PSAPs that are not a branch of the government which is party to the ‘memorandum of understanding’ for the 911 GIS Repository.</b>

# MILogin

<https://milogin.michigan.gov>



The screenshot shows the MiLogin for Workers login page. At the top, there is a dark blue navigation bar with links for Home, Help, and MI.gov. Below this, the MiLogin logo (a green outline of Michigan) is followed by the text "MiLogin for Workers". A horizontal line separates the header from the main content area, which has the heading "Login to your account". Below the heading, a red asterisk is followed by the text "= Required Fields". The login form consists of two input fields: "User ID" and "Password", both marked with a red asterisk. Below the "Password" field is a green "Login" button. At the bottom of the form is a blue link that says "Need Help?".

Access to the  
911 GIS repository  
is through the  
State of Michigan  
MiLOGIN



# MILogin

<https://milogin.michigan.gov>

Don't have an account?

Create New Account

Guest Services

Continue as Guest

---

Creating a MiLOGIN account is simple. There is a 'Create New Account' on the main page.

# MILogin

<https://sso.state.mi.us>

To access the 911 GIS repository, click on 'request access' once you are logged into MiLOGIN. You can then find the application through a search or by selecting 'Michigan State Police' and '911 GIS Data Repository.'

Step 1: Search for an application

Enter application keyword



OR

Step 1: Select an agency to view its applications



DTMB, Center for Shared  
Solutions



Michigan Department of  
Treasury



Center for Educational  
Performance and  
Information



Michigan State Police



Michigan Department of  
Natural Resources



MICHIGAN DEPARTMENT OF  
CORRECTIONS

Michigan Department of  
Corrections



Michigan Civil Services  
Commission



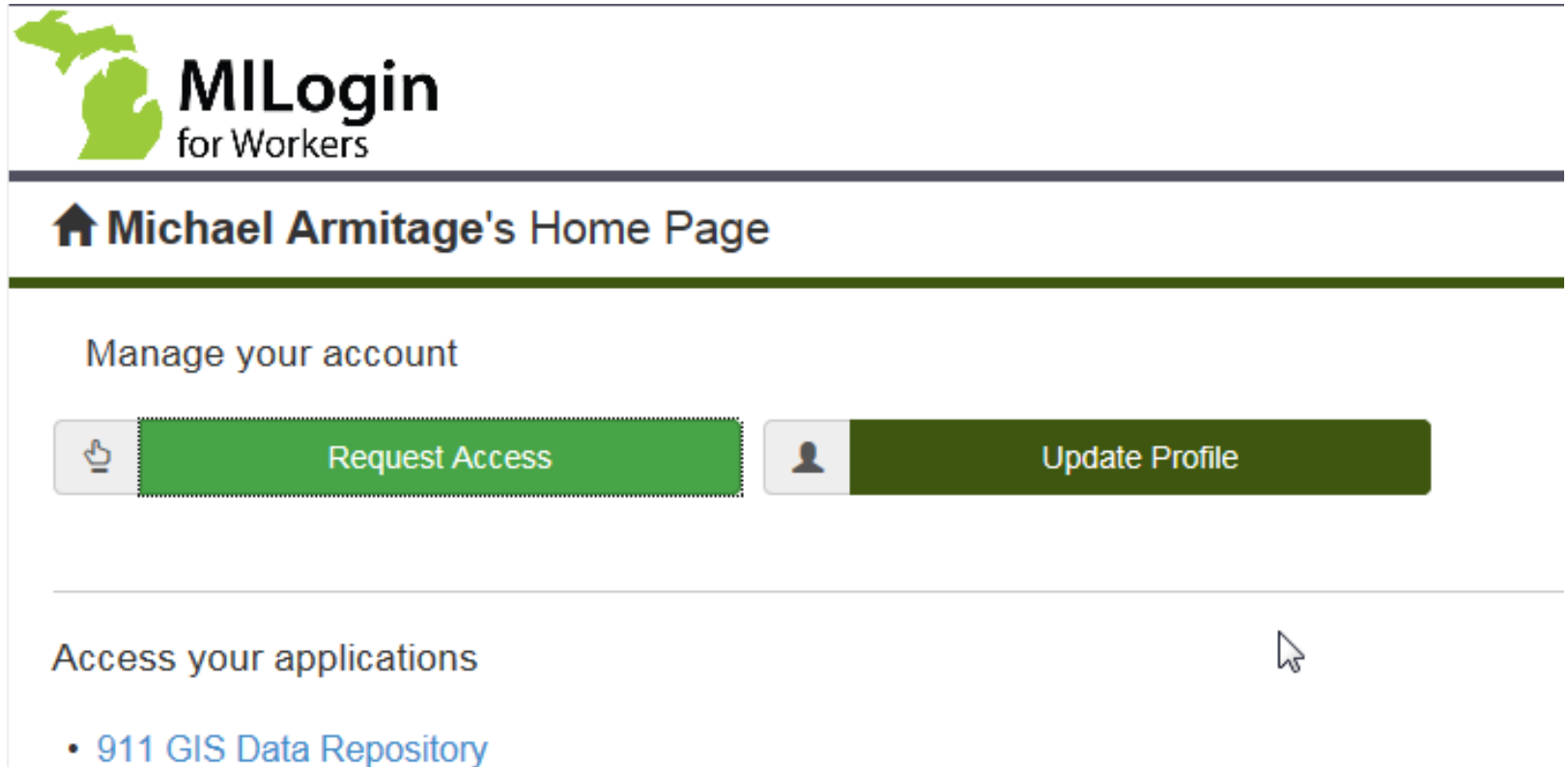
Department of  
Environmental Quality



# MILogin

<https://milogin.michigan.gov>

Once approved, the 911 GIS application will appear once you sign on.





The screenshot shows the MILogin for Workers interface. At the top left is a green outline of Michigan with the text "MILogin for Workers" next to it. Below this is a header bar with a house icon and the text "Michael Armitage's Home Page". Underneath the header bar is a section titled "Manage your account". This section contains two buttons: a green button with a hand icon and the text "Request Access", and a dark green button with a person icon and the text "Update Profile". Below the "Manage your account" section is a section titled "Access your applications". This section contains a single link: "911 GIS Data Repository".

**MILogin**  
for Workers

🏠 **Michael Armitage's Home Page**

Manage your account

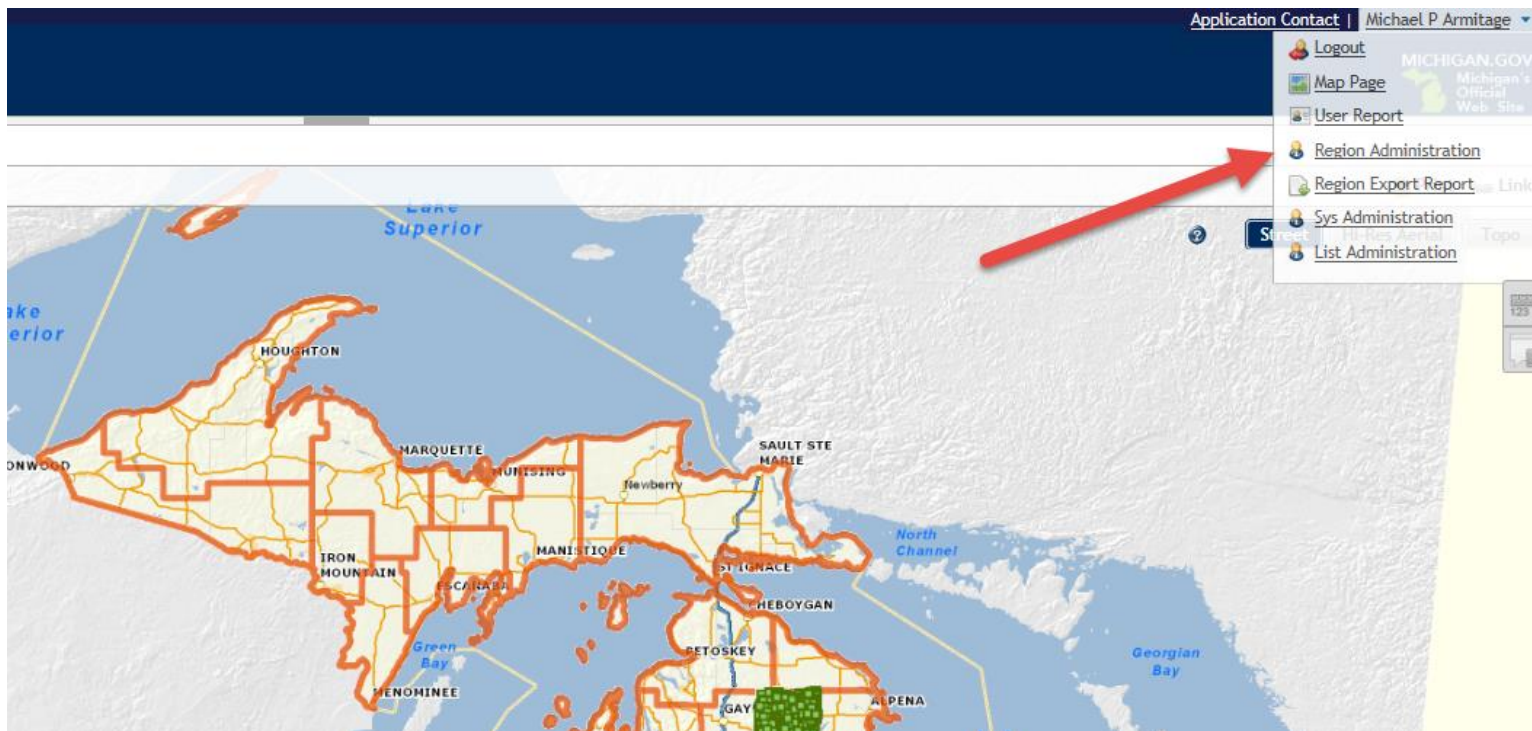
 **Request Access**  **Update Profile**

Access your applications

- [911 GIS Data Repository](#)

# Region Administration Tools

Region/PSAP administrators can administer access privileges to their region through the 'region administration' link on the top pull-down.



# Region Administration Tools

## Administration

This is a screenshot of the 'region administration' page.

Regions

Users



Click the left arrow to view region members, click the user name to set permissions, click the region name to add or remove users.

▶ Alcona County Central Dispatch

▼ Alger County Sheriff Department

Laura L Blastic



Mark E Holmes



Matt Waldron



Michael P Armitage



Robert J Hughes




Todd Brock




▶ Allegan County Central Dispatch

### Set Permissions for Jeffrey Bracket

Permission	Region	Roads	Structures	Emergency Service Zones
<u>View Current</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>View Pending</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can View</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Edit</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Import</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Export</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Check All</u>				

 Save

 Cancel

# Region Administration Tools

Region administrators can search for approved users to assign to their county/region.

## Administration

Regions

Users

Click the left arrow to view region members, click the user name to set permissions, click the region name to add or remove users.

### Alcona County Central Dispatch

Jeffrey Bracket



Laura L Blastic



Mark E Holmes



Michael P Armitage



Alger County Sheriff Department

Allegan County Central Dispatch

### Alcona County Central Dispatch

Search Type: ☒ Full Name ☐ Email

michael



Michael P Armitage, armitagem@michigan.gov, State of Michigan, 911 Dispatch

Michael Thompson, mthompson@otsegocountymi.gov, Otsego County Central Dispatch, 911 Dispatch

✓ A notification will be sent



# Region Administration Tools

Regions

Users

Click the left arrow to view region members, click the user name to set permissions, click the region name to add or remove users.

Alcona County Central Dispatch

Jeffrey Bracket

Laura L Blastic

Mark E Holmes

Michael P Armitage

▶ Alger County Sheriff Department

▶ Allegan County Central Dispatch

▶ Alpena County Central Dispatch

▶ Antrim County Central Dispatch

▶ Arenac County Central Dispatch

▶ Baraga County

▶ Barry County Central Dispatch

▶ Bay County Central Dispatch

▶ Benzie County Sheriff Department

▶ Berrien County Public Safety Communications Center

▶ Branch County Central Dispatch

### Alcona County Central Dispatch

Search Type: ☒ Full Name ☐ Email

You've selected the following users to add to Alcona County Central Dispatch

- Michael Thompson  
mthompson@otsegocountymi.gov

Permissions

Permission	Region	Roads	Structures	Emergency Service Zones
<a href="#">View Current</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">View Pending</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Can View</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Can Edit</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Can Import</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Can Export</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Check All](#)

Save

Cancel

✔ A notification will be sent



# Region Administration Tools: Permissions

## Administration

By clicking on the user, the region administrator can assign specific privileges to the user.

Regions

Users

Click the left arrow to view region members, click the user name to set permissions, click the region name to add or remove users.

▶ Alcona County Central Dispatch

▼ Alger County Sheriff Department

Laura L Blastic

Mark E Holmes

Matt Waldron

Michael P Armitage


Robert J Hughes


Todd Brock

▶ Allegan County Central Dispatch

### Set Permissions for Matt Waldron

Permission	Region	Roads	Structures	Emergency Service Zones
<u>View Current</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>View Pending</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Can View</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Edit</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Import</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Export</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Check All</u>				

 Save

 Cancel

# PSAP Administration:

## Remove User from PSAP

- ◆ Removing User Accounts
  - Rights are removed by PSAP Administrator
  - Account is Disabled by System Administrator – request needs to be submitted by PSAP Administrator
  - Can be Re-Enabled If User Goes to Work at Another PSAP

# Removing User Accounts

## Administration

Click the red 'x' to remove access to your county/region by the user.

Regions

Users

Click the left arrow to view region members, click the user name to set permissions, click the region name to add or remove users.

▶ Alcona County Central Dispatch

▼ Alger County Sheriff Department

Laura L Blastic

Mark E Holmes

Matt Waldron

Michael P Armitage


Robert J Hughes


Todd Brock

▶ Allegan County Central Dispatch

## Set Permissions for Matt Waldron

Permission	Region	Roads	Structures	Emergency Service Zones
<u>View Current</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>View Pending</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Can View</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Edit</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Import</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Export</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Check All</u>				

 Save

 Cancel

# Removing User Accounts

## Administration

Regions

Users

Click the left arrow to view region menu, click the user name to set permissions, click the plus icon to add or remove users.

▶ Alcona County Central Dispatch

▼ Alger County Sheriff Department

Laura L Blastic

Mark E Holmes

Matt Waldron

Michael P Armitage

Robert J Hughes

Todd Brock

▶ Allegan County Central Dispatch

▶ Alpena County Central Dispatch



### Remove this user

Remove Matt Waldron from Alger County Sheriff Department?



Yes, remove this user

or



No, Don't remove

CLOSE X

Can Edit



Can Import



Can Export



Check All

Save

X Cancel

Waldron

Roads

Structures

Emergency  
Service  
Zones



# PSAP Administration Tools

## ◆ Requesting Data Export Rights for User

PSAP A



PSAP B



PSAP Administrator  
Sends Request for CAD  
Administrator to have Export Rights  
for Neighboring County



PSAP Administrator  
Receives Email to Log into  
System and Grant User Export  
Rights to PSAPs Data

PSAP Administrator and  
CAD Administrator Receive  
Status Email



PSAP Administrator  
Approves or Denies  
Export Privileges

# PSAP Administration: Requesting Permission


## Administration

Region administrators can request that their users receive Import/export privileges with other regions.

Regions

Users

Below are users currently assigned to one or more of your regions. You may, edit a user's information, request access to another PSAP, deactivate the user, or create a new user. *Note that newly created users will not display in this list until they are assigned to a region.*

 New User

Name	Email	Organization	Type	Phone Number	Active
Amy L Beach		Ogemaw County Central Dispatch	911 Dispatch	989-345-4911 	  
Andrew Giguere		Leelanau County	County GIS Contact	231-256-8152 	  
Andrew Hartwick		St Clair County Central Dispatch	County GIS Contact	269-467-5576 	  
Ann Gasperich		Keweenaw County	911 Dispatch	906-337-3471 	  
April Heinze		Eaton County Central Dispatch	911 Dispatch	517-543-4924 	  

# PSAP Administration: Requesting Permission

## Administration


Regions

Users

Request access for Amy L Beach to another Region.

Access: ☐ Import ☐ Edit ☐ Export

Feature: ☐ Region ☐ Roads ☐ Structures ☐ ESZs

Region: Alcona County Central Dispatch 

Comments:



Save



Cancel



# PSAP Administration: USERS
















## Administration

Region administrators can edit information for their region's users.

Regions **Users**

Below are users currently assigned to one or more of your regions. You may, edit a user's information, request access to another PSAP, deactivate the user, or create a new user. *Note that newly created users will not display in this list until they are assigned to a region.*

New User

Name	Email	Organization	Type	Phone Number	Actions
Amy L Beach		Ogemaw County Central Dispatch	911 Dispatch	989-345-4911	  
Andrew Giguere		Leelanau County	County GIS Contact	231-256-8152	  
Andrew Hartwick		St Clair County Central Dispatch	County GIS Contact	269-467-5576	  
Ann Gasperich		Keweenaw County	911 Dispatch	906-337-3471	  
April Heinze		Eaton County Central Dispatch	911 Dispatch	517-543-4924	  

# PSAP Administration: USERS

## Administration

Regions Users

### User Information

#### Contact Info

Email	*	<input type="text"/>
First Name	*	<input type="text" value="Amy"/>
Middle Initial		<input type="text"/>
Last Name	*	<input type="text" value="Beach"/>
Organization		<input type="text" value="Ogemaw County Central Dispatch"/>
Type		<input type="text" value="911 Dispatch"/>
Phone	*	<input type="text" value="989-345-4911"/>
<input checked="" type="checkbox"/> Active		
<input checked="" type="checkbox"/> Notify user		
<input type="checkbox"/> View or add comments to notification		
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		

# Data Sharing and Agreements

- ◆ Memorandum of Agreement Between CSS and Each Participating Entity
  - Outlines Roles and Responsibilities of CSS and Participants
  - Established Disclaimers for Data Sharing
  - Signed Agreement
- ◆ Exported Data Can Only Be Used for 9-1-1 and Public Safety Purposes

# Data Viewer

## ◆ Potential Uses

- Only available for public safety via secure log in
- The data viewer could benefit PSAPs where mapping does not currently exist for dispatch
- The data viewer can be used to search addresses in other jurisdictions
- Supplemental map to existing systems
- Accessible via wireless in field or mobile command
- Can be accessed in an EOC during large incident crossing multiple jurisdictions

# Data Viewer

[Michigan.gov](#) | [MSP Home](#) | [FAQ](#) | [Online Services](#) | [MSP Site Map](#) | [Contact MSP](#)

[Application Contact](#) | [Michael P. Armitage](#)



## 911 GIS Data Repository



Search an address, city, zip, and more



### Layers

Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.

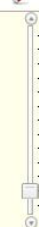
- ☒ Emergency Service Zone
- ☒ Structure
- ☒ Centerline
  - All Other Values
  - Limited Access Road
  - U.S. and State Highway
  - Local Road
  - Other Addressable Road
  - Driveway
  - Trail
- ☒ PSAP
- ☒ Staged Data
- ☒ Sketches
  - Sketch Address
  - Sketch PSAP
  - Sketch Road

911 Map

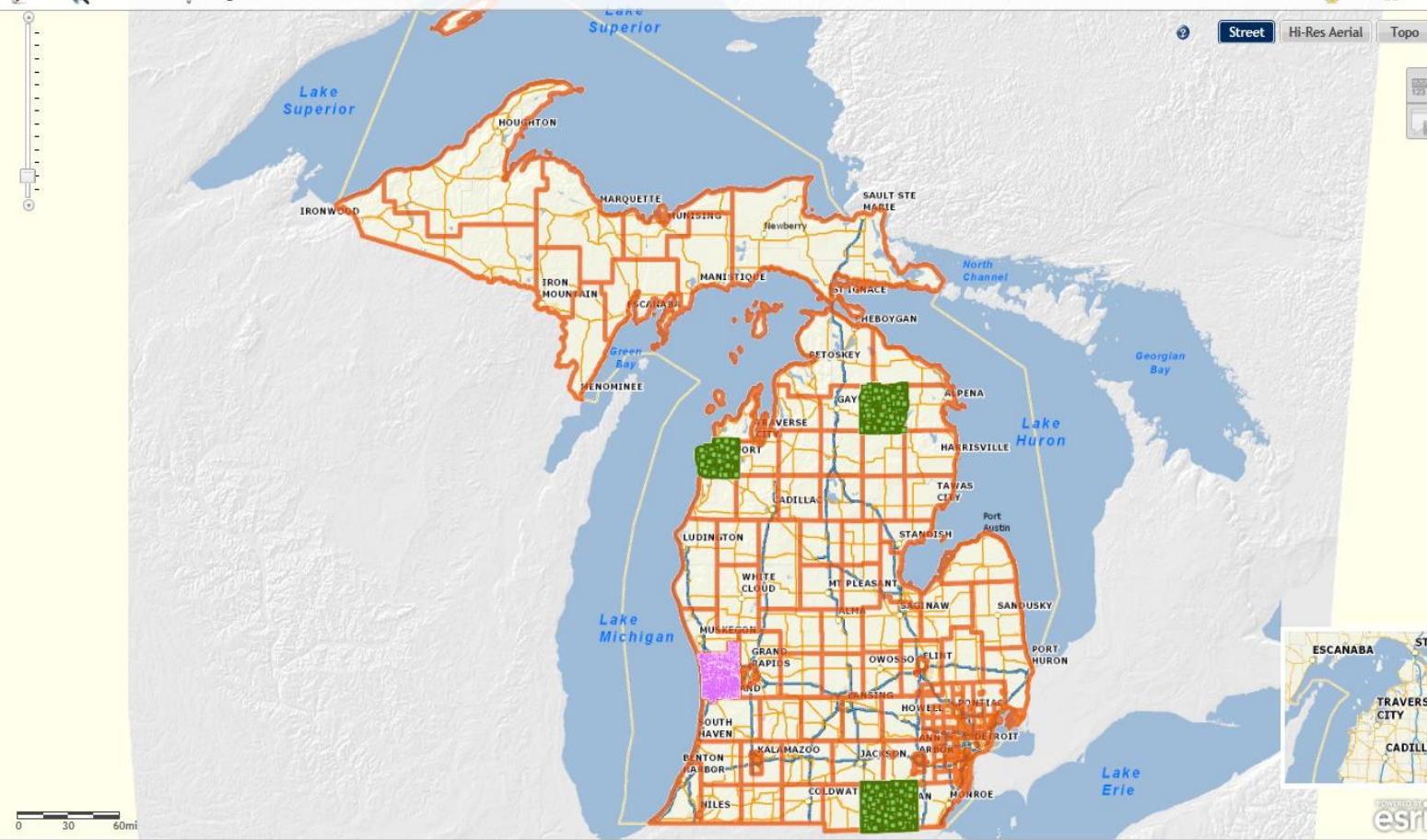
Status Map

[Clear](#) [Zoom Extents](#) [Navigation Info](#)

[Print](#) [Link](#)



[Street](#) [Hi-Res Aerial](#) [Topo](#)

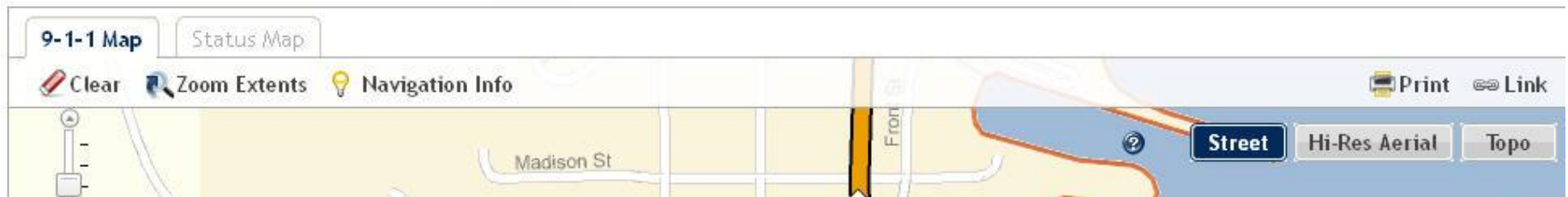


esri

# Data Viewer

Users can view the maps in one of three modes:

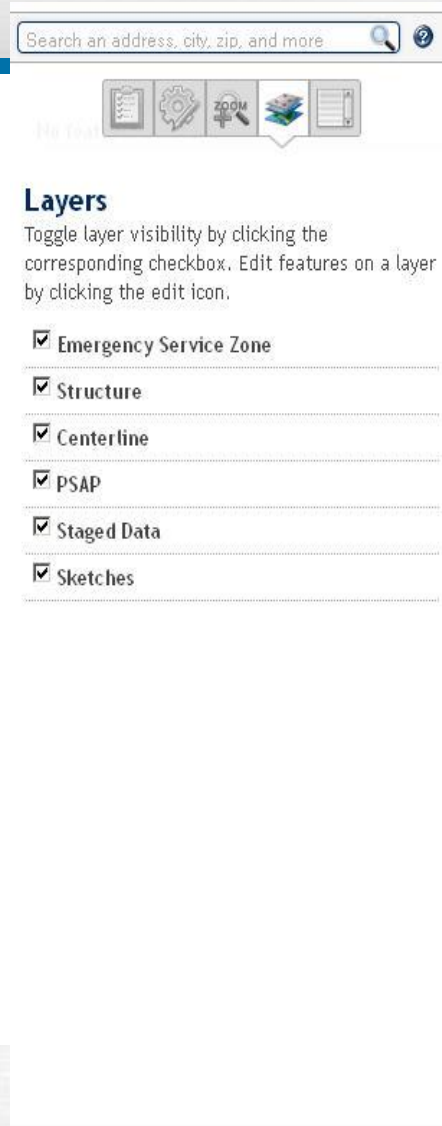
- Street
- Hi-Res Aerial
- Topo.





# Data Viewer






Users can select which layers they would like to view (located on the left-hand side).





# Data Viewer

Zoom options are also available on the left toolbar.



County & PSAPCoordinate

**Zoom**  
Zoom enables users to quickly navigate to a map location.

**County & PSAP**  
Select a county or PSAP from the list boxes below. If you choose a county first, the PSAP list will only contain PSAP's within the selected county.

**County**

**PSAP**

# Data Viewer

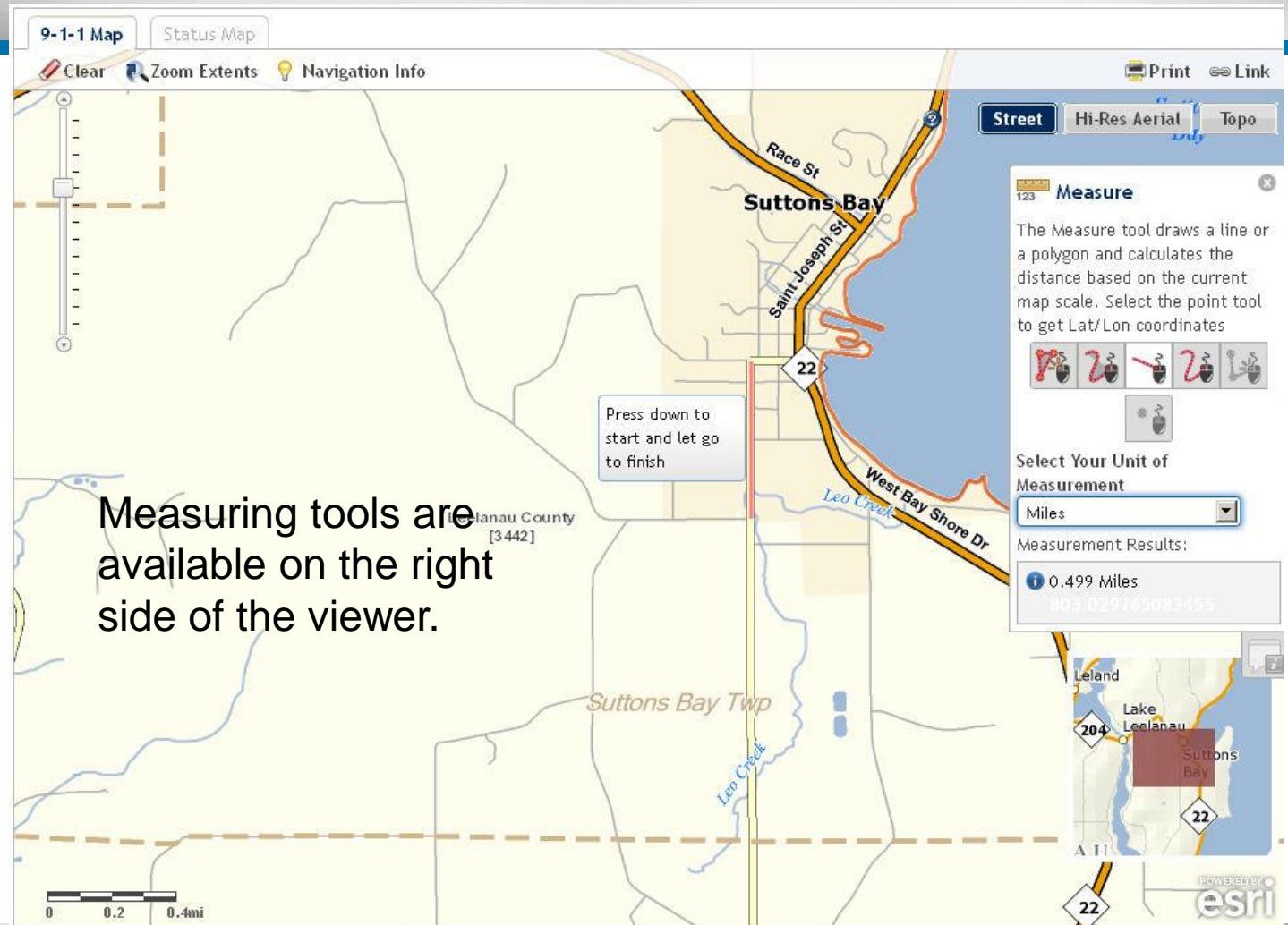
The 'identify' button will provide additional information (such as PSAP data) when you click on a location on the map.

**Identify Results**

- Lat: 44.971521
- Lon: -85.654050
- PSAP Name: Leelanau County

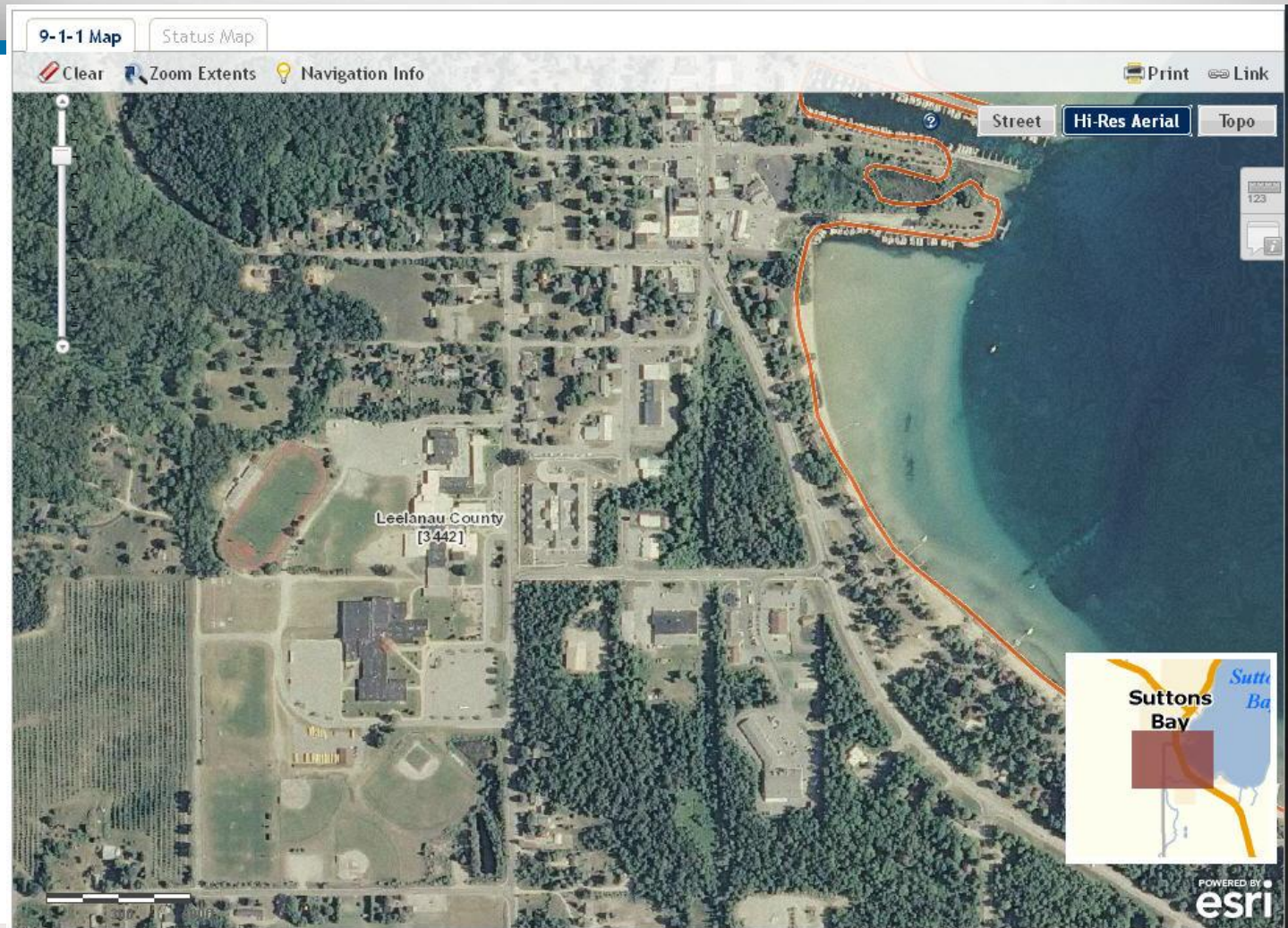
Map interface elements include: 9-1-1 Map, Status Map, Clear, Zoom Extents, Navigation Info, Print, Link, Street, Hi-Res Aerial, Topo, and a scale bar (0 to 0.4mi).

# Data Viewer





# Data Viewer



# Data Viewer

## ◆ Map Symbolology

- Populate FCC Codes
- Populate RDCLASS Field
- Outlined in addressing guide



# Data Viewer

[Michigan.gov](#) | [MSP Home](#) | [FAQ](#) | [Online Services](#) | [MSP Site Map](#) | [Contact MSP](#)

[Grant Project: Home](#) | [Application Contact](#) | [Psp Admin1](#)



## State 9-1-1 Committee 9-1-1 GIS Grant Project

MICHIGAN.GOV  
Michigan's  
Official  
Web Site

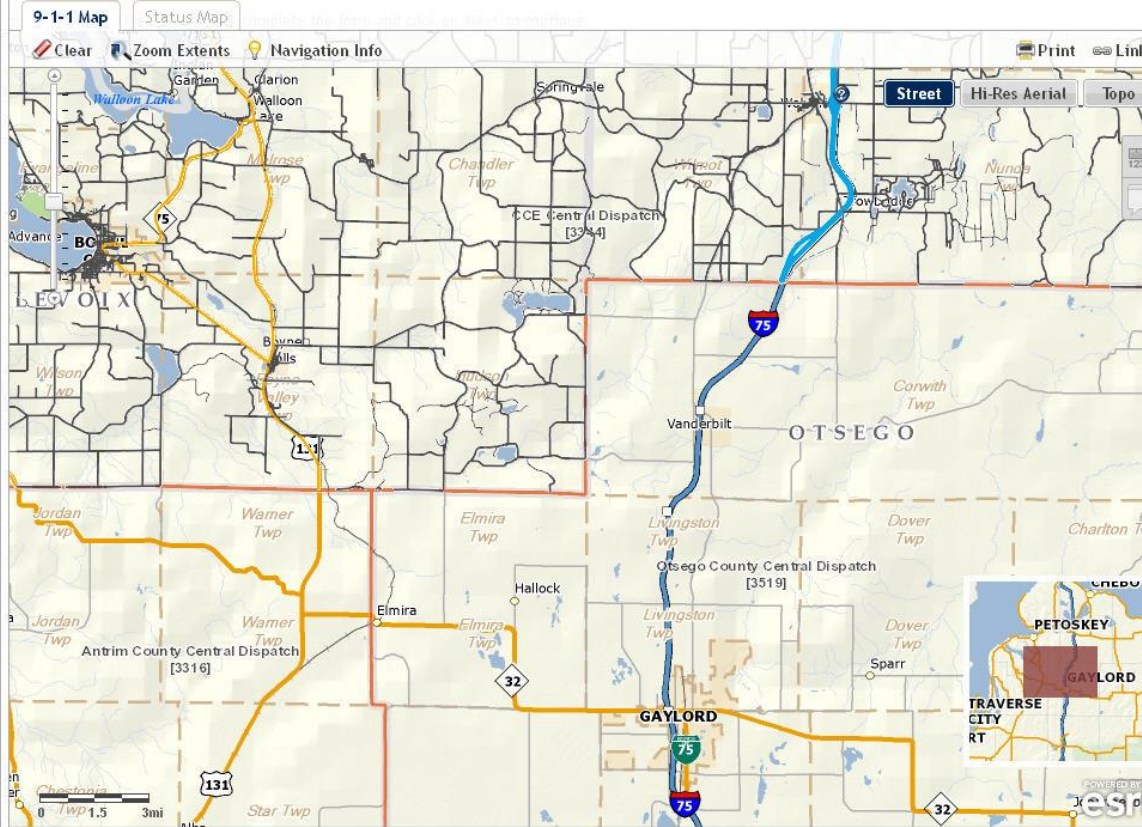
Search an address, city, zip, and more



### Layers

Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.

- ☒ Emergency Service Zone
- ☒ Structure
- ☒ Centerline
- ☒ PSAP
- ☒ Staged Data
- ☒ Sketches



[Michigan.gov Home](#) | [MSP Home](#) | [State Web Sites](#) | [Contact MSP](#)

[Grant Project: Home](#) | [Application Contact](#) | [Geographic Data Library](#)

[Privacy Policy](#) | [Link Policy](#) | [Accessibility Policy](#) | [Security Policy](#) | [Michigan News](#) | [Michigan.gov Survey](#)

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# Import Data

- ◆ Road centerlines
- ◆ MSAG – only for validation against new centerline layer being uploaded
- ◆ Emergency Service Zones – Optional
  - Beneficial for Mutual Aid
  - Will be beneficial for NG9-1-1 and interoperability
- ◆ Site Structure Points – Optional
  - Can be partial layer



# Import Data

Search an address, city, zip, and more

**Workflow**

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	<a href="#">+</a>
Import	QA/QC	Pending	09/06/2012	<a href="#">+</a>
Export	End	Complete	09/06/2012	<a href="#">+</a>
Export	End	Complete	09/06/2012	<a href="#">+</a>
Import	QA/QC	Flags	09/06/2012	<a href="#">+</a>
Import	QA/QC	Flags	09/06/2012	<a href="#">+</a>
Import	QA/QC	Errors	09/06/2012	<a href="#">+</a>
Import	QA/QC	Flags	09/06/2012	<a href="#">+</a>
Export	End	Complete	09/06/2012	<a href="#">+</a>
Import	QA/QC	Flags	08/29/2012	<a href="#">+</a>
Import	QA/QC	Pending	08/29/2012	<a href="#">+</a>
Edit	Approval	Pending (1)	08/20/2012	<a href="#">+</a>
Export	End	Complete	08/20/2012	<a href="#">+</a>

9-1-1 Map

Status Map

Clear

Zoom Extents

Navigation Info

# Import Data

Search an address, city, zip, and more

No features

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Pending	09/06/2012	+
Export	End	Complete	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+
Edit	Approval	Pending (1)	08/20/2012	+
Export	End	Complete	08/20/2012	+
Change	Approval	Pending (1)	08/16/2012	+

9-1-1 Map

Status Map

Data Wizard

able and click on 'Next' to continue.

Select a layer and upload files

Select a PSAP of the data

Clare County Central Dispatch

Select a layer to upload:

ROAD CENTERLINES

Select files

(.dbf, .prj, .shp, and .shx):

Browse

Next >>

Select file(s) to upload by msp911.kimballdata.com

Look in: Application Test

Name	Date modified	Type
Alcona_Roads.dbf	6/19/2012 8:49 PM	DBF File
ClareRds.dbf	9/6/2012 3:57 PM	DBF File
ClareRds.prj	7/2/2012 10:03 PM	PRJ File
ClareRds.shp	9/6/2012 3:57 PM	SHP File
ClareRds.shx	9/6/2012 3:57 PM	SHX File
Roads.prj	3/27/2012 6:25 PM	PRJ File
roads.shp	6/19/2012 8:49 PM	SHP File
roads.shx	6/19/2012 8:49 PM	SHX File

File name: "ClareRds.shx" "ClareRds.dbf" "ClareRds.prj" "

Files of type: \*.dbf;\*.prj;\*.shp;\*.shx

Open

Cancel

# Import Data

9-1-1 Map

Status Map

Data Wizard

and click on 'Next' to continue.

Please match data fields.

ROAD CENTERLINES

Match Fields

<u>Repository Standards</u>	<u>Your Shapefile Fields</u>
SOURCE (type:A) *	SOURCE
DATEUPD (type:D) *	DATEUPD
EFFDATE (type:D)	
RCLID (type:A) *	RCLID
COUNTRY (type:A) *	COUNTRY
STATE_L (type:A) *	STATE_L
STATE_R (type:A) *	STATE_R
COUNTY_L (type:A) *	COUNTY_L
COUNTY_R (type:A) *	COUNTY_R
MUNI_L (type:A) *	MUNI_L
MUNI_R (type:A) *	MUNI_R
MCDDIV_L (type:A) *	
MCDDIV_R (type:A) *	
UNCORP_L (type:A)	
UNCORP_R (type:A)	

# Import Data



## Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

 **Export Data**

 **Import Data**

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	
Edit	Approval	Pending (1)	08/20/2012	
Export	End	Complete	08/20/2012	

9-1-1 Map Status Map **Workflow Details** Data Wizard

## Centerline QA/QC Report (Flag Summary)

Flag Name	Flags	Exceptions
<a href="#">Record_Count</a>	3849	0
<a href="#">MUNI_LR_IsEmpty</a>	1	0
<a href="#">EFFDATE_DatatypeNotValid</a>	3849	0
<a href="#">LOGreaterThanHI</a>	24	0
<a href="#">RangeContainsAllZeros</a>	213	0
<a href="#">RangeParityInvalid</a>	8	0
<a href="#">RangeOverlap</a>	65	0
<a href="#">STSTNoMatch</a>	1	0
<a href="#">FlippedRange</a>	12	0

Select a Flag Name above to see all records that failed that scrub.

Export with No Data (flags only): [Excel](#) [CSV](#)

Export with Data: [Excel](#) [CSV](#)

# Import Data

Search an address, city, zip, and more

No Features

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

9-1-1 Map

Status Map

Workflow Details

Data Wizard

continue

Flagged Records

Displaying records that failed the Flag: RangeOverlap

[Back to Summary](#)

[First](#)

[Previous](#)

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[Last](#)

Record Count: 65

RCLID	Street	Left Community	Right Community	LLO	LHI	RLO	RHI	Exception
1981	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	7501	7989	7500	7988	0
1982	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6001	6299	6000	6298	0
1983	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6301	6549	6300	6548	0
1984	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6551	6699	6550	6698	0
1987	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6051	6999	6050	6998	0
3346	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	7501	7989	0	0	0
3318	BEECH TREE	SURREY TWP	SURREY TWP	3131	3199	3130	3200	0
3320	BEECH TREE	SURREY TWP	SURREY TWP	3131	3149	3130	3148	0
3147	S CLARE AVE	GRANT TWP	GRANT TWP	9041	9999	9040	9998	0
841	S CLARE AVE	GRANT TWP	GRANT TWP	9001	9939	9000	9938	0
3380	N CORNING ST	FARWELL	FARWELL	171	299	170	298	0
2414	N CORNING ST	FARWELL	FARWELL	1	199	2	198	0
3145	S EBERHART AVE	GRANT TWP	GRANT TWP	11911	11999	11900	11998	0
842	S EBERHART AVE	GRANT TWP	GRANT TWP	11001	11909	11000	11908	0
1027	FIVE LAKES DR	GRANT TWP	GRANT TWP	7401	7579	7400	7578	0
3096	FIVE LAKES DR	GRANT TWP	GRANT TWP	7581	7749	7580	7748	0

# Import Data

## ◆ Exception Field

- Add a field called EXCEPTION to your local data – Long Integer Data Type

Exception Code	Exception Description
1	Limited Access Highway Features
2	Driveways or Non-Addressable Feature
3	Legacy Addressing Scenario
4	Local Road Naming Convention
5	Value Falls Outside of Jurisdiction
6	Correction Pending Local Review
7	Overlapping Segment Is Valid

# Import Data

- ◆ RCLIDs – Need to be populated and unique
  - Can use any local unique ID locally needs to be compatible for upload into alphanumeric field type with a 50 character limit
  - Populate using OBJECTID or FID during import process or calculate that field to OBJECTID or FID in your local data



# Import Data

- ◆ QA/QC check similar to data assessments that were run as part of grant project
- ◆ Additional field checks during import
  - Jurisdiction values
  - Source and date of update
- ◆ Critical Errors – That would prevent loading of data – no projection file, no RCLID, data types

# Export Data

- ◆ User needs to have been assigned export rights to export any other jurisdiction's dataset
- ◆ PSAP Administrator must initiate request for one of their users to have export rights to neighboring jurisdiction's data
- ◆ PSAP Administrators have export rights to all dataset as a system setting
  - Allows for access to datasets in case of large emergency event

# Export Data



## 911 GIS Data Repository

Search an address, city, zip, and more











### Workflow

Listed below are tasks that were created by your edits to the geographic data or by changes other users have made that need your approval.

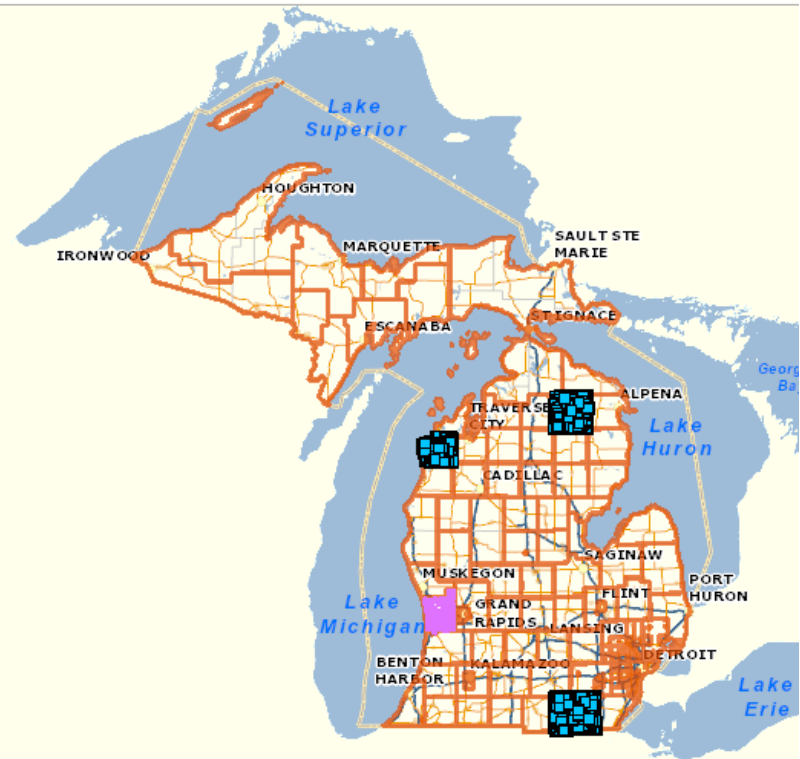
 Export Data

 Import Data

Task	Step	Status	Date	Update
Export	End	Pending	08/14/2015	
Export	End	Complete	01/16/2015	
Export	End	Complete	01/16/2015	
Edit	End	Deleted	10/28/2013	
Export	End	Pending	02/12/2013	
Export	End	Pending	02/12/2013	
Export	End	Pending	02/12/2013	
Export	End	Complete	10/18/2012	

911 Map

Status Map



# Export Data

[Michigan.gov](#) | [MSP Home](#) | [FAQ](#) | [Online Services](#) | [MSP Site Map](#) | [Contact MSP](#)

[Application Contact](#) | [Amanda M Myer](#)

**MICHIGAN.GOV**  
Michigan's  
Official  
Web Site

## 911 GIS Data Repository

Search an address, city, zip, and more

911 Map

Status Map

Data Wizard

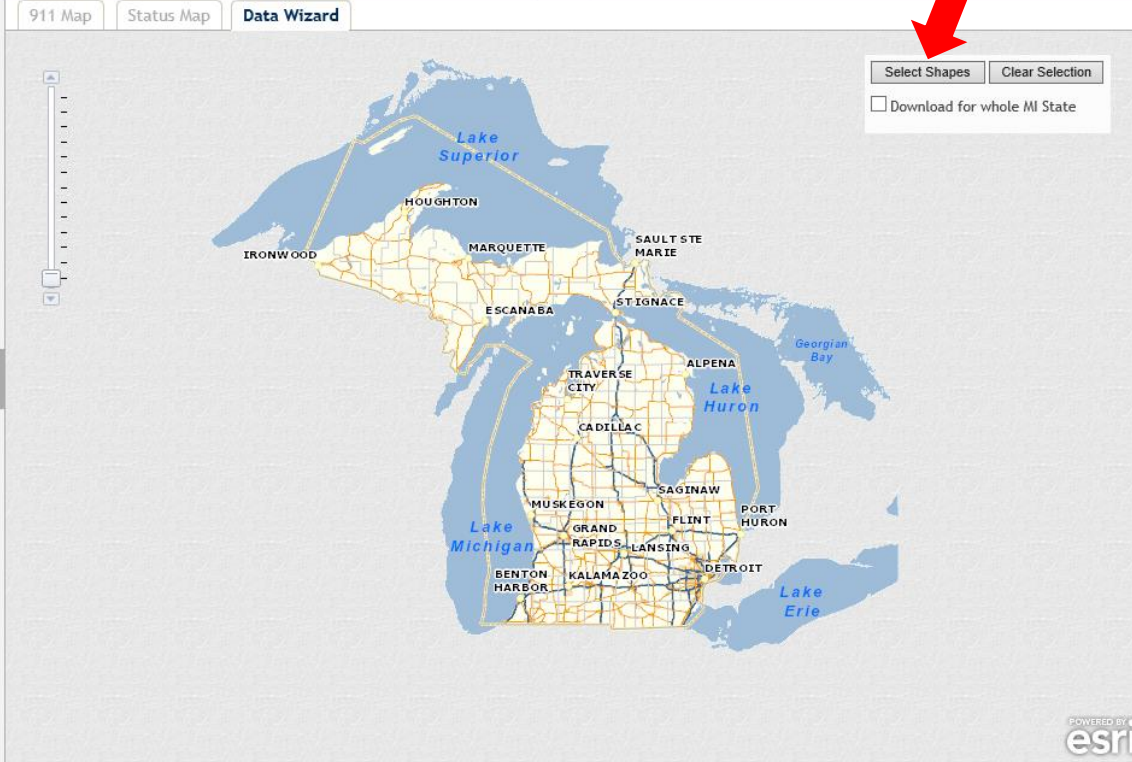


### Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

[Export Data](#) [Import Data](#)

Task	Step	Status	Date	Update
Export	End	Pending	08/14/2015	
Export	End	Complete	01/16/2015	
Export	End	Complete	01/16/2015	
Edit	End	Deleted	10/28/2013	
Export	End	Pending	02/12/2013	
Export	End	Pending	02/12/2013	
Export	End	Pending	02/12/2013	
Export	End	Complete	10/18/2012	



Select Shapes Clear Selection

☐ Download for whole MI State

1 Extract Type:  
Map

2 Layer to download (required):  
Required Select

3 Select Shapes on Map (required):



4 Next

You have permissions to export highlighted counties.

For areas that are not highlighted contact your administrator for access.

[Michigan.gov Home](#) | [MSP Home](#) | [State Web Sites](#) | [Contact MSP](#)

[Application Contact](#) | [Geographic Data Library](#)

[Privacy Policy](#) | [Link Policy](#) | [Accessibility Policy](#) | [Security Policy](#) | [Michigan News](#) | [Michigan.gov Survey](#)

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# Export Data



## 911 GIS Data Repository

Search an address, city, zip, and more



### Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

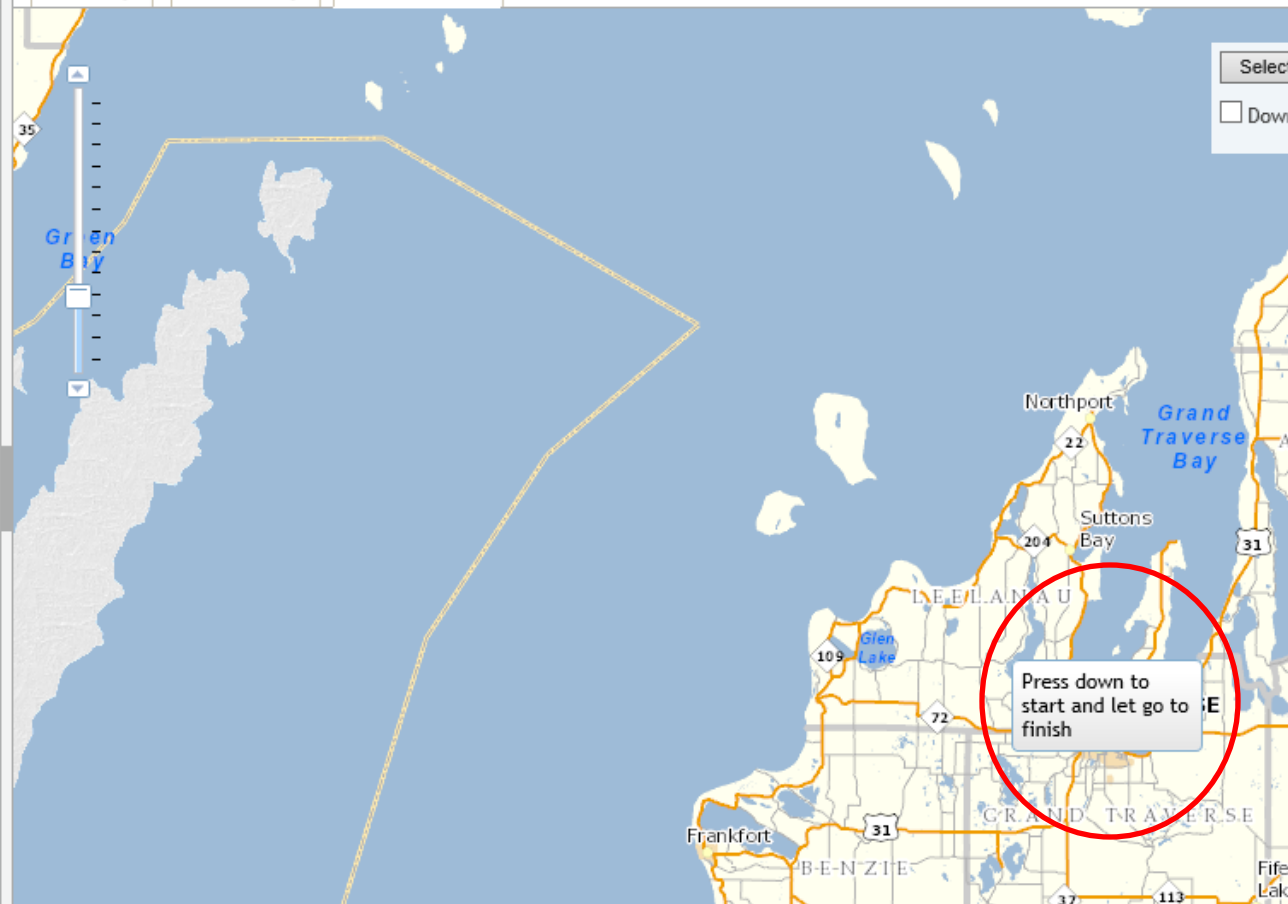
Import Data

Task	Step	Status	Date	Update
Export	End	Pending	08/14/2015	
Export	End	Complete	01/16/2015	
Export	End	Complete	01/16/2015	
Edit	End	Deleted	10/28/2013	
Export	End	Pending	02/12/2013	
Export	End	Pending	02/12/2013	
Export	End	Pending	02/12/2013	
Export	End	Complete	10/18/2012	

911 Map

Status Map

Data Wizard





# Export Data

911 Map Status Map Data Wizard

Select Shapes Clear Selection

☐ Download for whole MI State

1 Extract Type:  
Map

2 Layer to download  
(required):  
Required Select

3 Select Shapes on Map  
(required):

4 Next

You have permissions to export highlighted counties.  
For areas that are not highlighted contact your administrator for access.

Selected features:

- Kalamazoo County Central Dispatch

# Export Data

9-1-1 Map

Status Map

Workflow Details

Data Wizard

to continue.

Search an address, city, zip, and more

No features found

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Pending	09/06/2012	+
Export	End	Complete	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+

Select a layer and the extent for extraction

Next >>

1. Layer to download: ROAD CENTERLINES

2. Data Extent for extraction from: PSAP list

Your rights to download

You are a PSAP administrator. You can download any layers of any PSAPs.

(1) Select Counties

Iron

Isabella

Jackson

Kalamazoo

(2) Select PSAPs

Clare County Central Dispatch

Isabella County Central Dispatch

Selected features: Isabella County Central Dispatch

Next >>



# Export Data

9-1-1 GIS Grant Project

Search an address, city, zip, and more

No features found

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	

9-1-1 Map

Status Map

Workflow Details

Data Wizard

to continue

Please match data fields.


ROAD CENTERLINES

Match Fields

Profile: My download Profile ☐ In-reverse from your upload profile

State Geodatabase	Your Shapefile Field
SOURCE (type:A) *	COUNTRY Type: Alphanumeric
DATEUPD (type:D) *	DATEUPD Type: Alphanumeric
EFFDATE (type:D) *	EFFDATE Type: Alphanumeric
RCLID (type:A) *	RCLID Type: Alphanumeric
COUNTRY (type:A) *	SOURCE Type: Alphanumeric
STATE_L (type:A) *	STATE_L Type: Alphanumeric
STATE_R (type:A) *	STATE_R Type: Alphanumeric
COUNTY_L (type:A) *	COUNTY_L Type: Alphanumeric
COUNTY_R (type:A) *	COUNTY_R Type: Alphanumeric
MUNI_L (type:A) *	MUNI_L Type: Alphanumeric
MUNI_R (type:A) *	MUNI_R Type: Alphanumeric
MCDDIV_L (type:A) *	MCDDIV_L Type: Alphanumeric
MCDDIV_R (type:A) *	MCDDIV_R Type: Alphanumeric

www.mn.gov/911program

GIS GRANT PROJECT

# Export Data

Search an address, city, zip, and more

No features found

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Pending	09/06/2012	+
Export	End	Complete	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+

9-1-1 Map

Status Map

Workflow Details

Data Wizard

to continue.

Select a projection:

WGS\_1984\_Web\_Mercator

☒ **Terms and Conditions:** As a data exporter you are agreeing to abide by the terms and conditions outlined in the Memorandum of Agreement for this 9-1-1 GIS data repository. The terms of the memorandum of agreement (MOA) outlines that the signed agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program). All terms of GIS data use outlined in your agency's MOA with CSSTP must be adhered to. These include but are not limited to the following requirements:

Data originators participating in the 9-1-1 GIS repository authorize their 9-1-1 GIS data to be used by other PSAPs that are participating in the 9-1-1 GIS Program and who may request regional datasets to be used in their 9-1-1 systems.

In the event that a third party requests data, one of the following three scenarios will also apply:

1) If your agency receives a request for your own data, that request shall be subject to your Enhanced Access to Public Records policy. There is no need for the request to go through or be approved by DTMB/CSSTP.

<< Previous

Process

Michigan.gov Home

MSP Home

State Web Sites

Contact MSP

GIS DATA PROJECT

# Export Data

Search an address, city, zip, and more



## Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

**Export Data** **Import Data**

Task	Step	Status	Date	Update
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	

9-1-1 Map

Status Map

**Workflow Details**

Data Wizard

to continue.

Export Workflow, Created: 9/6/2012 11:06:12 PM

Step	Status	End	System Messages	Workflow Details
Begin	Complete	9/6/2012 11:07:02 PM		
End	Complete	9/6/2012 11:07:02 PM	Data is ready to download. <a href="#">Click here.</a>	

# Export Data

- ◆ CAD profiles
- ◆ Working with your CAD vendor to integrate regional maps
- ◆ Review edge-match, when possible and coordinate with neighboring jurisdictions where larger discrepancies exist
- ◆ Data layers – road centerlines, PSAP boundaries, emergency services zones\*, structure points\* (\* incomplete statewide layers)

# Red Line Edits- PSAP Boundary

- ◆ PSAP Boundary Change Requests
  - Internal communication must be established at local level for approval process
  - Jurisdictions where Michigan Geographic Framework road centerlines are being use have opportunity to use the PSAP Boundary Change tools to make requests or approve changes since PSAP layer developed for the project is statewide

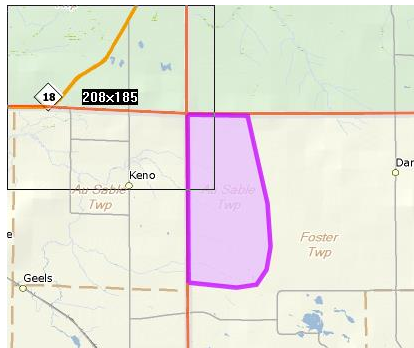
# Red Line Tools – PSAP Boundary

## ◆ Requesting PSAP Boundary Change

PSAP A



PSAP Administrator  
Makes Red Line Edit and Starts  
Approval Workflow



PSAP B



PSAP Administrator  
Receives Email to Log into  
System and Approve PSAP Boundary  
Change

PSAP Administrator Receives  
Status Email

PSAP Administrator  
Approves or Denies  
PSAP Boundary Change

# Red Line Tools – PSAP Boundary

## ◆ Requesting PSAP Boundary Change

CSS



Affected PSAPs



If Approved by All Affected PSAPs. CSS Staff Make Boundary Change and Workflow Sent for Final Approval By All PSAPS Affected By Change



PSAP Administrators Receive Email to Log into System and Review Final Boundary Edits And Make Final Approval



PSAP Administrator Receives Status Email

PSAP Administrator Approves or Denies PSAP Boundary Change



# Red Line Edits – Roads or Points

- ◆ All users can add red line edits for road or structure points
  - Internal protocol for who red lines can be established, if necessary
  - Notification email goes to PSAP admin and GIS importer for the jurisdiction that the red line is drawn
  - If road is drawn across multiple PSAP jurisdictions, PSAP admin and GIS importer from both jurisdictions get notifications

# Red Line Edits – Roads or Points

Search an address, city, zip, and more

9-1-1 Map Status Map

Clear Zoom Extents Navigation Info

**Editing Tools**  
Editing Tools enables users to edit existing or create new workflow.

Please select Add Structure, Add Road, or Add PSAP and then click the map where the feature will appear.

Double-click to complete

The screenshot displays the 9-1-1 Map application interface. On the left, there is a sidebar with a search bar and a set of editing tools. The main map area shows a grid of roads and a red line being edited. A callout box indicates 'Double-click to complete' for the red line. The map includes labels for 'Old M 66', 'Kerns Corner', 'Saunders Rd', 'Sigma Rd', 'Kniss Rd', and '3429'. The interface also features a '9-1-1 Map' tab and a 'Status Map' tab, along with buttons for 'Clear', 'Zoom Extents', and 'Navigation Info'.

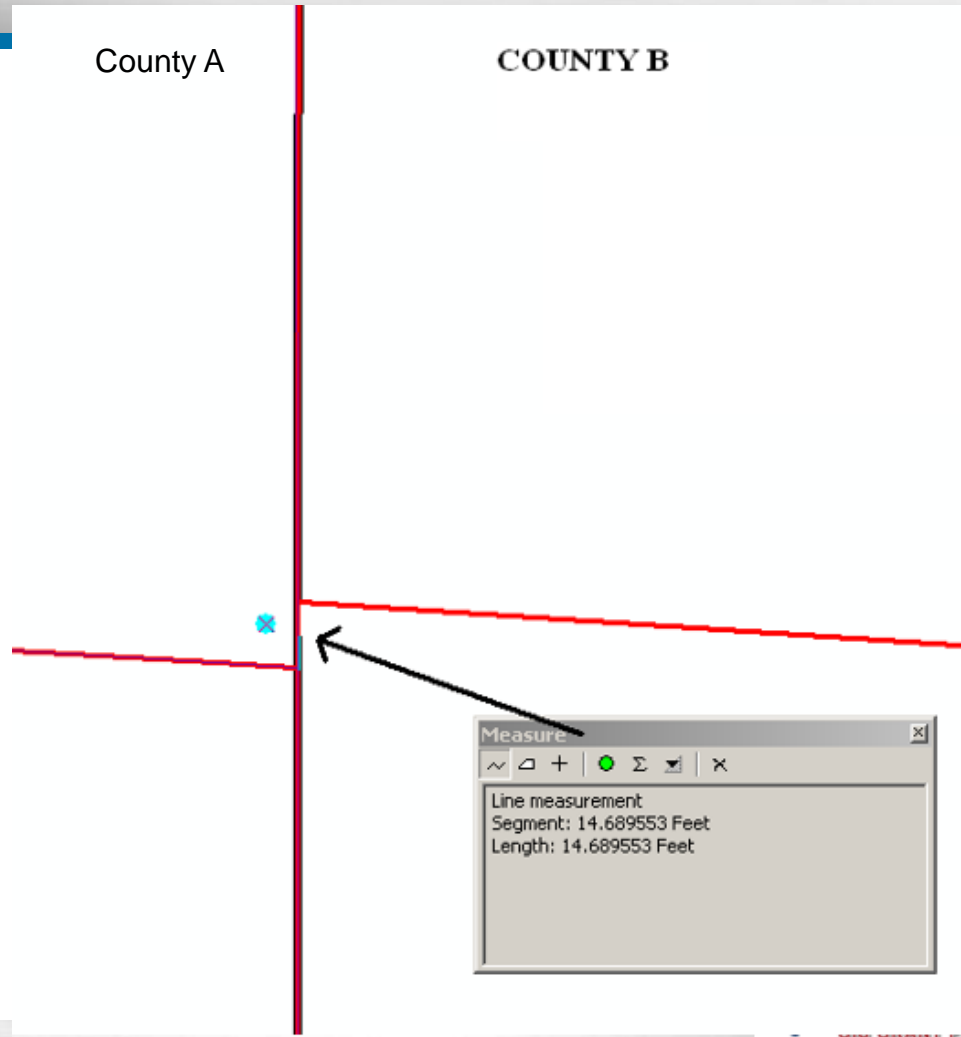
# Edge-matching

- ◆ Edge-matching is run during import. Roads are snapped to PSAP boundary layer
- ◆ Continued coordination between jurisdictions for edge-matching and addressing attributes along boundaries is also a NENA recommendation for sustaining long-term 9-1-1 GIS data integrity in preparation for NG9-1-1

# Edge-matching



# Edge-matching





# Addressing Guide

- Guidelines for addressing techniques
- Continue to incorporate standardization
- Road naming guidelines
- Addressing scenarios
- There will be unique local addressing scenarios
- GIS and MSAG synchronization



# More Information

- ◆ [www.michigan.gov/911GISGrant](http://www.michigan.gov/911GISGrant)
- ◆ [www.michigan.gov/snc](http://www.michigan.gov/snc)
  - Harriet Miller-Brown
    - [Miller-BrownH@michigan.gov](mailto:Miller-BrownH@michigan.gov)
    - 517-243-2075
  - Mark Holmes
    - [HolmesM3@michigan.gov](mailto:HolmesM3@michigan.gov)
    - 517-241-6469